

Abstract of the Disclosure:

On ending communication, a timer (17) is started in order to watch a communication stop time interval (S1, S2). On starting the next communication, a timer value of the timer is watched (S5). If the timer value is less than a communication stop time interval threshold value, a cell search processing is carried out by using a cell search result on previous communication (S7). By monitoring a communication stop time interval and by using a previous cell search result in the manner described above, a cell search circuit has an important function which realizes a high-speed cell search in the same sector (the same cell) on continuous communications and decreasing of a consumed power.